



Integrated Air and Missile Defense (IAMD) Roadmap

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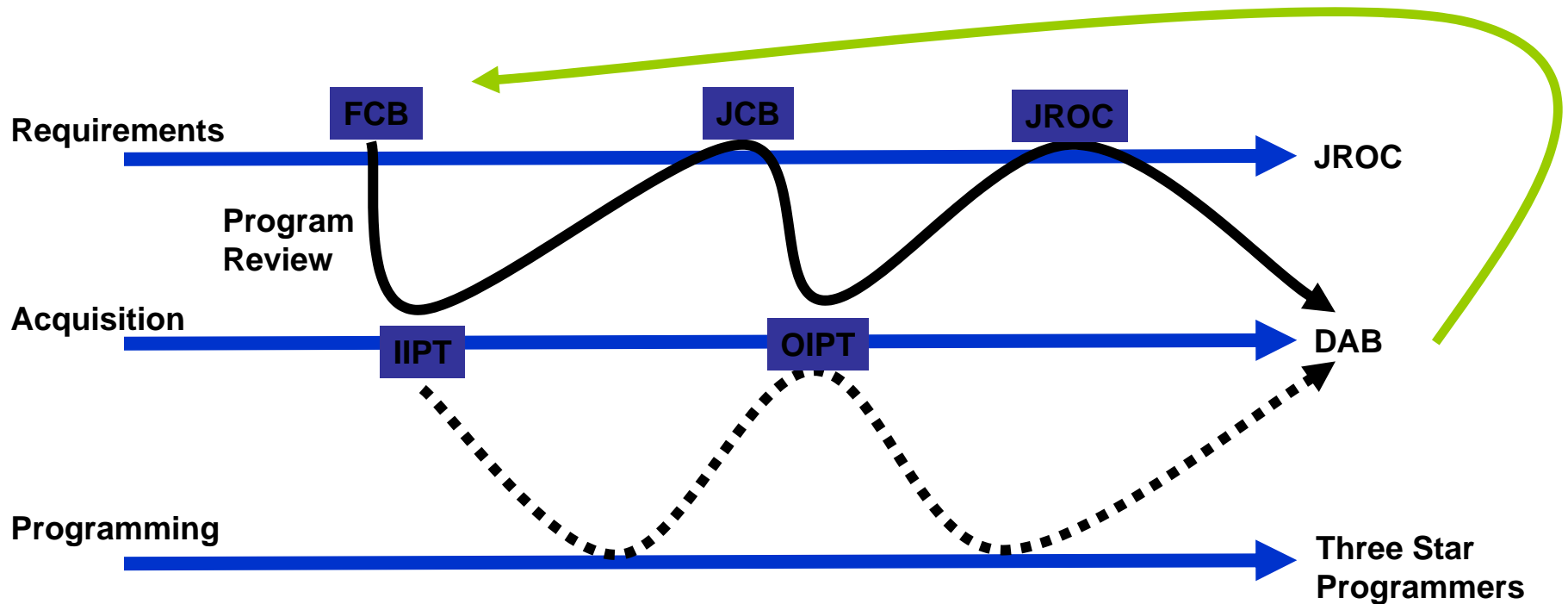


Background

- **“Roadmapping” began in March 2003 with first version of the UAV roadmap followed by**
 - JBMC2 Roadmap (Nov 2004)
 - IAMD, V0 (May 2004)
 - IAMD, V1 (May 2005)
 - UAV, V2 (August 2005)
 - IAMD, V2 (February 2007)

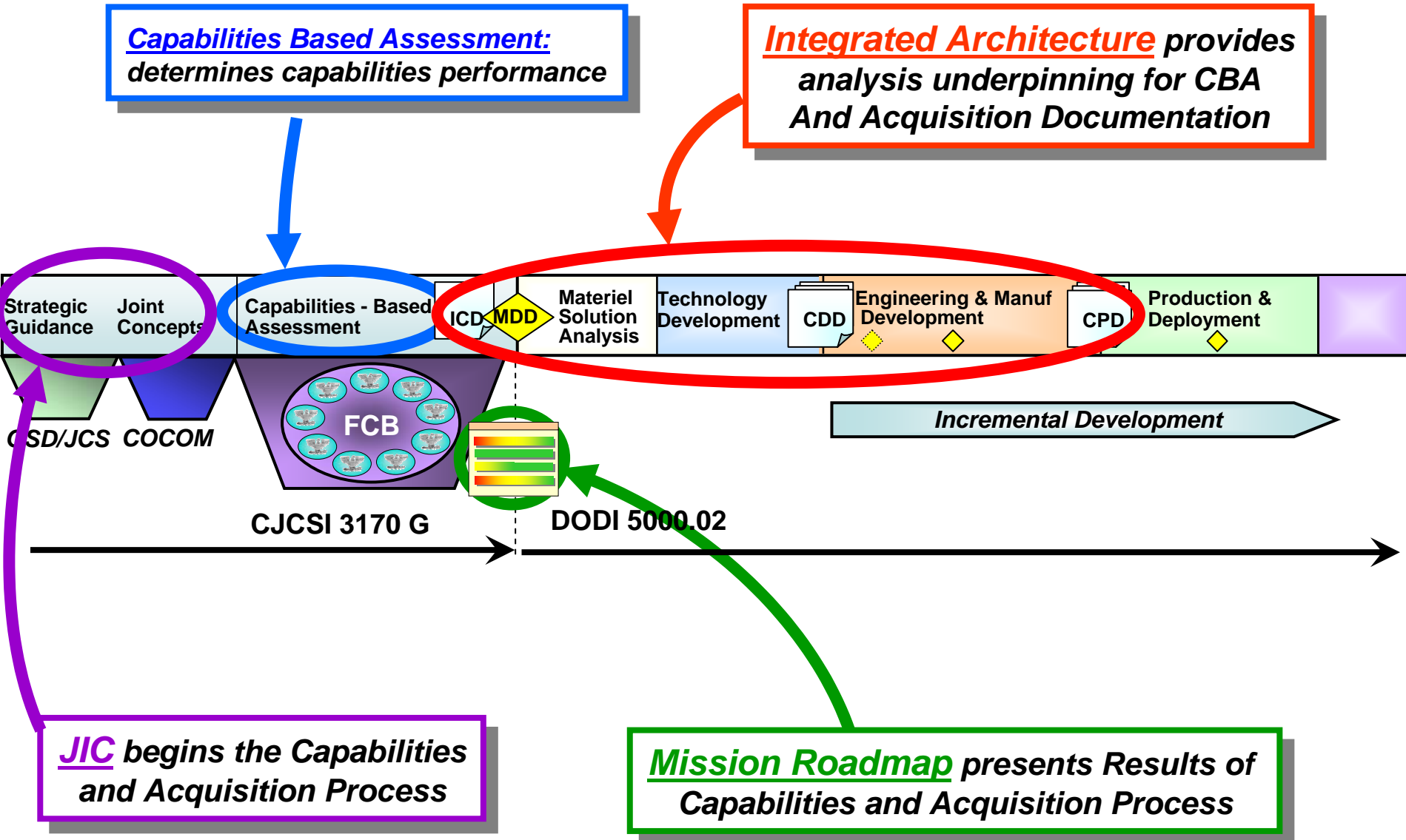


Capabilities Based Roadmap Flow





DOD End-to-End Capabilities and Acquisition Process





Roadmapping

- **Nature of Roadmap will vary by topic**
- **Must start with view of where we want to go**
- **Include assessment of where we are**
- **Lay out Department's strategic plan considering:**
 - **Material and non-material solutions**
 - **Capability that only exists at Family-of-Systems/System-of-Systems level**
 - **What to expect from each system**
 - **Network enablers**
 - **Management, engineering, and testing activities that cut across a capability area**
 - **Affordability**
 - **Other considerations**

IAMD Roadmap Supported DAB-Level Mission Capability Area Review



IAMD Roadmap

Objective: Relate acquisition, capability and programming processes to provide senior leaders an overall context and understanding of mission area

Scope:

- Supports mission-level **Capability Area Reviews**
 - Provides links across policy, capability generation, acquisition, and budgeting processes
 - Provides basis to set metrics and gauge progress in developing capability over time
- Evolutionary Roadmap process provides increasingly broad range of systems / initiatives
 - “Version 0” addressed TAMD missions and supporting systems
 - “Version 1” including GBMD missions and expanded set of supporting systems
 - Later versions to implement CBA results

Approach:

- To **contribute to the development of an approach that supports both the “joint capabilities” and “acquisition oversight, review, and coordination / synchronization processes**
 - Describe AMD systems and incremental attainment of AMD mission capabilities
- Collaborative AT&L / FP FCB process
 - Formal staffing and review by Warfighter (Services, COCOMs, Joint Staff, Agencies) and Acquisition communities
- Implement ADM guidance
 - System Engineering across AMD FoS
 - Identify program synchronization options
 - Address AMD FoS testing issues
 - DAB-level AMD CAR scheduled Jan 05



IAMD Roadmap Evolution

V1 – Jan 05

- TAMD (JTAMDO / JSSEO)
- BMD) (MDA)
- FoS Testing (DOT&E/DT&E)
- SIAP BLK 0/1 Imp (JSSEO)
- Mode 5 IFF Imp (DASN C4I/IWS)
- BMC2 Integration (?)
- JBMC2 IAMD JMT (JFCOM)

•Capabilities Assessment Methodology

- TAMD CRD – Concept
- Analysis Plan (IDA)
- MOEs/MOPs

•General Improvements

- DOTMLPF (JFCOM)
- Emerging Technologies (MDA/DDR&E)
- Net-Centric (J6/ASD NII)

V2 – Dec 05

•Begin to show **architecture analysis** results

- System performance parameters
- System to System interoperability
- System contributions to AMD FoS
- Mission performance

•Propose **methodology for FoS Assessment**

- Trade studies (Gaps / Overlaps)

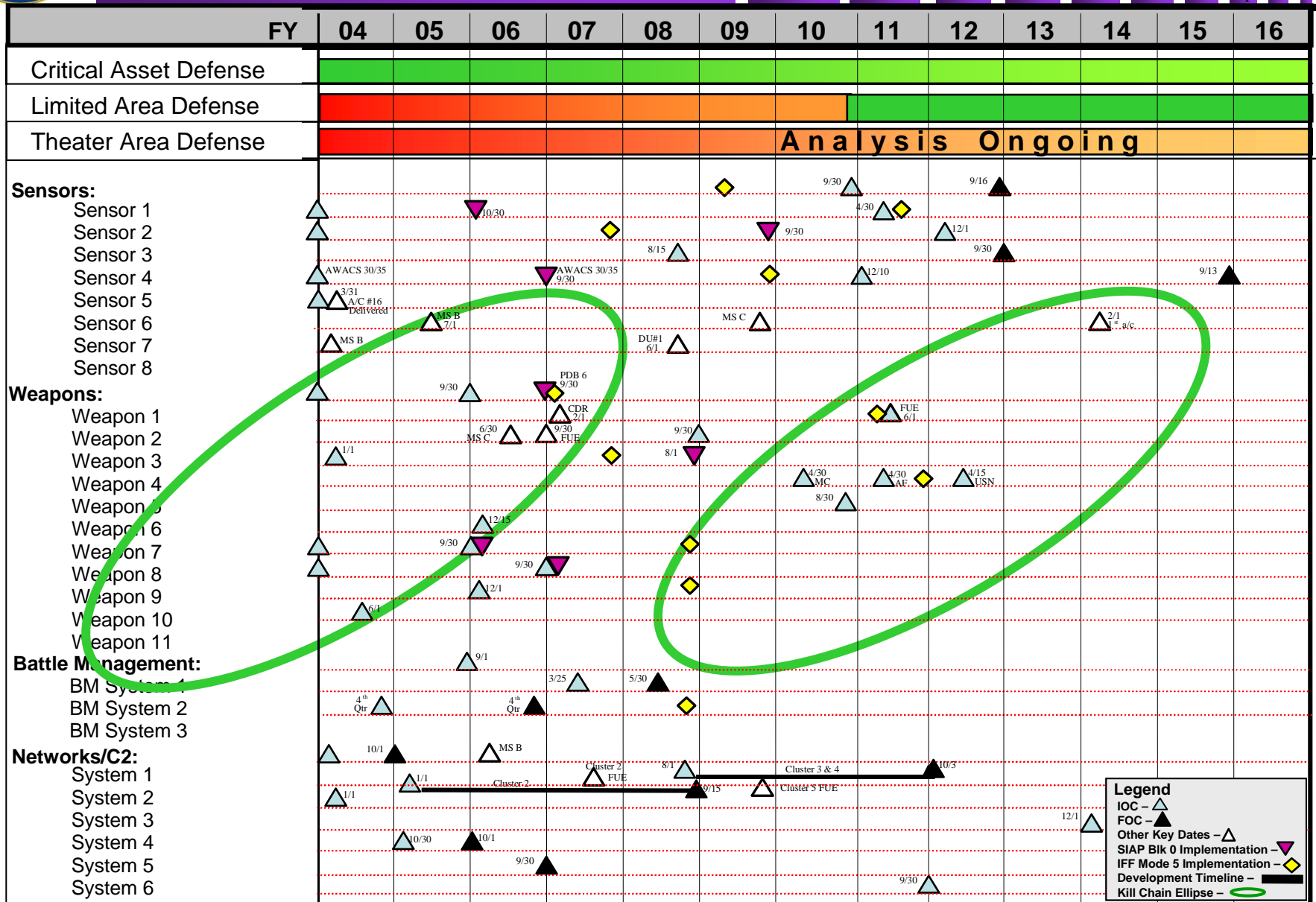
•Provide overarching **IAMD Ops Concept**

V3 – Sept 09

- Rework of ACMD, V2
- Refinement of Capability Area Assessment Methodology (CAAM)
- Inclusion of components for Homeland Defense and BMD



IAMD Roadmap: Capability Description





Example of IAMD Roadmap Utility: System X Implementation

